

CLAIMS

1. A computer system comprising: a network (100); a server computer (110, 120) connected to the network; a plurality of client computers (11, 12, 21) connectable to the network; and portable information recording media (R11, R12, R21) issued respectively to individual users for use upon connection to the client computers; wherein

a unique identification code (ID(11), ID(12), ID(21)) is recorded in each of the client computers (11, 12, 21) so as to enable distinction from other client computers,

an identification code (ID(11), ID(12), ID(21)) that corresponds to a specific identification code recorded in a specific client computer is recorded in each of the portable information recording media (R11, R12, R21), and

each of the client computers (11, 12, 21) comprises an interface means (11D) for connecting a portable information recording medium (R11, R12, R21), an identification code comparing means (11C) that compares an identification code recorded in a currently connected portable information recording medium (R11) and an identification code recorded in itself, an access right setting means (11B) that sets a predetermined access right based on a comparison result, and a server access means (11A) that performs access to the server computer within a range of the access right that has been set.

2. A computer system comprising: a network (100); a server computer (110, 120) connected to the network; a plurality of client computers (11, 12, 21) connectable to the network; and portable information processing devices (P11) issued respectively to individual users for use upon connection to the client computers; wherein

a unique identification code (ID(11), ID(12), ID(21)) is recorded in each of the client computers (11, 12, 21) so as to enable distinction from other client computers,

an identification code (ID(11)) that corresponds to a specific identification code recorded in a specific client computer is recorded in each of the portable information processing devices (P11),

each of the client computers (11, 12, 21) comprises an interface means (11D) for connecting a portable information processing device (P11),

and a server access means (11A) that performs access to the server computer (110, 120) within a range of an access right that is transmitted from a currently connected portable information processing device (P11), and

5 each of the portable information processing devices (P11) comprises an identification code comparing means (11E) that compares an identification code (ID(11)) recorded in a currently connected client computer (11) and an identification code (ID(11)) recorded in itself, an access right setting means (11F) that sets a predetermined access right
10 based on a comparison result, and an access right transmitting means (11G) that transmits, to the currently connected client computer (11), the access right that has been set.

3. The computer system according to Claim 1 or 2, wherein

15 the access right setting means (11B, 11F) sets a first access right when the comparison result indicates matching and sets a second access right, with more restrictions than the first access right, when the comparison result indicates mismatching.

20 4. The computer system according to any one of Claims 1 through 3, wherein

a MAC address provided to a LAN communication circuit incorporated in a client computer (11, 12, 21), unique data stored in a storage device of the client computer (11, 12, 21), or information indicating
25 an arrangement of application programs stored in a storage device of the client computer (11, 12, 21) is used as a unique identification code for identifying the client computer (11, 12, 21).

5. A computer system comprising: a network (100); a server computer
30 (110, 120) connected to the network; a plurality of client computers (11, 12, 21) connectable to the network; and portable information recording media (R11, R12, R21) issued respectively to individual users for use upon connection to the client computers; wherein

environment information (ENV(11), ENV(12), ENV(21)) that
35 indicates a specific network environment that is obtained when a client computer (11, 12, 21) is connected to a specific location of the network (100)

is recorded in each of the portable information recording media (R11, R12, R21), and

each of the client computers (11, 12, 21) comprises an interface means (11D) for connecting a portable information recording medium (R11, R12, R21), an environment comparing means (11H) that compares a network environment indicated by environment information (ENV(11)) recorded in a currently connected portable information recording medium (R11) and a current network environment of itself, an access right setting means (11B) that sets a predetermined access right based on a comparison result, and a server access means (11A) that performs access to the server computer within a range of the access right that has been set.

6. A computer system comprising: a network (100); a server computer (110, 120) connected to the network; a plurality of client computers (11, 12, 21) connectable to the network; and portable information processing devices (P11) issued respectively to individual users for use upon connection to the client computers; wherein

environment information that indicates a specific network environment that is obtained when a client computer (11, 12, 21) is connected to a specific location of the network (100) is recorded in each of the portable information processing devices (P11),

each of the client computers (11, 12, 21) comprises an interface means (11D) for connecting a portable information processing device (P11), and a server access means (11A) that performs access to the server computer (110, 120) within a range of an access right that is transmitted from a currently connected portable information processing device (P11), and

each of the portable information processing devices (P11) comprises an environment comparing means (11I) that compares a network environment of a currently connected client computer and a network environment indicated by environment information (ENV(11)) recorded in itself, an access right setting means (11F) that sets a predetermined access right based on a comparison result, and an access right transmitting means (11G) that transmits, to the currently connected client computer (11), the access right that has been set.

7. The computer system according to Claim 5 or 6, wherein
the access right setting means (11B, 11F) sets a first access right
when the comparison result indicates matching and sets a second access
right, with more restrictions than the first access right, when the
5 comparison result indicates mismatching.

8. The computer system according to any one of Claims 5 through 7,
wherein

an IP address provided to a client computer (11, 12, 21), a default
10 gateway address set for the client computer (11, 12, 21), a proxy server
address set for the client computer (11, 12, 21), or a domain name which can
be referred by a DNS server used by the client computer (11, 12, 21) is used
as environment information that indicates a network environment of the
client computer (11, 12, 21).

15 9. A computer system comprising: a network (100); a server computer
(110, 120) connected to the network; a plurality of client computers (11, 12,
21) connectable to the network; and portable information recording media
(R11, R12, R21) issued respectively to individual users for use upon
20 connection to the client computers; wherein

a unique identification code (ID(11), ID(12), ID(21)) is recorded in
each of the client computers (11, 12, 21) so as to enable distinction from
other client computers,

an identification code (ID(11), ID(12), ID(21)) that corresponds to a
25 specific identification code recorded in a specific client computer and
environment information (ENV(11), ENV(12), ENV(21)) that indicates a
specific network environment that is obtained when a client computer (11,
12, 21) is connected to a specific location of the network (100) are recorded in
each of the portable information recording media (R11, R12, R21), and

30 each of the client computers (11, 12, 21) comprises an interface
means (11D) for connecting a portable information recording medium (R11,
R12, R21), an identification code comparing means (11C) that compares an
identification code (ID(11)) recorded in a currently connected portable
information recording medium (R11) and an identification code (ID(11))
35 recorded in itself, an environment comparing means (11H) that compares a
network environment indicated by environment information (ENV(11))

recorded in a currently connected portable information recording medium (R11) and a current network environment of itself, an access right setting means (11B) that sets a predetermined access right based on comparison results, and a server access means (11A) that performs access to the server computer within a range of the access right that has been set.

10. A computer system comprising: a network (100); a server computer (110, 120) connected to the network; a plurality of client computers (11, 12, 21) connectable to the network; and portable information processing devices (P11) issued respectively to individual users for use upon connection to the client computers; wherein

a unique identification code (ID(11), ID(12), ID(21)) is recorded in each of the client computers (11, 12, 21) so as to enable distinction from other client computers,

an identification code (ID(11), ID(12), ID(21)) that corresponds to a specific identification code recorded in a specific client computer and environment information (ENV(11), ENV(12), ENV(21)) that indicates a specific network environment that is obtained when a client computer (11, 12, 21) is connected to a specific location of the network (100) are recorded in each of the portable information processing devices (P11),

each of the client computers (11, 12, 21) comprises an interface means (11D) for connecting a portable information processing device (P11), and a server access means (11A) that performs access to the server computer (110, 120) within a range of an access right that is transmitted from a currently connected portable information processing device (P11), and

each of the portable information processing devices (P11) comprises an identification code comparing means (11E) that compares an identification code (ID(11)) recorded in a currently connected client computer (11) and an identification code (ID(11)) recorded in itself, an environment comparing means (11I) that compares a network environment of the currently connected client computer and a network environment indicated by environment information (ENV(11)) recorded in itself, an access right setting means (11F) that sets a predetermined access right based on comparison results, and an access right transmitting means (11G) that transmits, to the currently connected client computer (11), the access

right that has been set.

11. The computer system according to Claim 9 or 10, wherein
the access right setting means (11B, 11F) sets a first access right
5 when the result of comparison by the identification code comparing means
(11C, 11E) indicates matching, sets a second access right, with more
restrictions than the first access right, when the result of comparison by the
identification code comparing means (11C, 11E) indicates mismatching but
the result of comparison by the environment comparing means (11H, 11I)
10 indicates matching, and sets a third access right, with even more
restrictions than the second access right, when neither of the comparison
results indicates matching.

12. The computer system according to Claim 9 or 10, wherein
15 the access right setting means (11B, 11F) sets a first access right
when both the result of comparison by the identification code comparing
means (11C, 11E) and the result of comparison by the environment
comparing means (11H, 11I) indicate matching, sets a second access right,
with more restrictions than the first access right, when the result of
20 comparison by the identification code comparing means (11C, 11E) indicates
matching but the result of comparison by the environment comparing means
(11H, 11I) indicates mismatching, and sets a third access right, with even
more restrictions than the second access right, when neither of the
comparison results indicates matching.

25 13. An access right setting method for a computer system comprising: a
network (100); a server computer (110, 120) connected to the network; and a
plurality of client computers (11, 12, 21) connectable to the network; the
method setting an access right when each individual user uses a client
30 computer to access the server computer and comprising:

a preparation step, wherein a portable information processing device
(P11), to be used by connecting to a client computer (11, 12, 21), is issued to
each individual user, and an identification code (ID(11)), corresponding to a
unique identification code that is recorded in a specific client computer (11)
35 and enables distinction of the specific client computer from other client
computers, is recorded in the portable information processing device; and

an access right setting step, wherein when a user connects a predetermined portable information processing device (P11), issued to him/herself, to a predetermined client computer (11) and performs a login procedure on the predetermined client computer, the predetermined client
5 computer (11) or the predetermined portable information processing device (P11) is made to compare an identification code (ID(11)) recorded in the predetermined client computer (11) with an identification code (ID(11)) recorded in the predetermined portable information processing device (P11) and set a predetermined access right based on a comparison result;

10 wherein when in the access right setting step, the comparison result indicates mismatching, an access right with more restrictions than when the comparison result indicates matching is set.

14. An access right setting method for a computer system comprising: a
15 network (100); a server computer (110, 120) connected to the network; and a plurality of client computers (11, 12, 21) connectable to the network; the method setting an access right when each individual user uses a client computer to access the server computer and comprising:

a preparation step, wherein a portable information processing device
20 (P11), to be used by connecting to a client computer (11, 12, 21), is issued to each individual user, and environment information (ENV(11)) that indicates a specific network environment that is obtained when a client computer (11) is connected to a specific location of the network (100) is recorded in the portable information processing device; and

25 an access right setting step, wherein when a user connects a predetermined portable information processing device (P11), issued to him/herself, to a predetermined client computer (11) and performs a login procedure on the predetermined client computer, the predetermined client
30 computer (11) or the predetermined portable information processing device (P11) is made to compare a current network environment of the predetermined client computer (11) with a network environment indicated by environment information (ENV(11)) recorded in the predetermined portable information processing device (P11) and set a predetermined access right based on a comparison result;

35 wherein when in the access right setting step, the comparison result indicates mismatching, an access right with more restrictions than when

the comparison result indicates matching is set.

15. An access right setting method for a computer system comprising: a network (100); a server computer (110, 120), connected to the network; and
5 a plurality of client computers (11, 12, 21) connectable to the network; the method setting an access right when each individual user uses a client computer to access the server computer and comprising:

a preparation step, wherein a portable information processing device (P11), to be used by connecting to a client computer (11, 12, 21), is issued to
10 each individual user, and an identification code (ID(11)), corresponding to a unique identification code that is recorded in a specific client computer (11) and enables distinction of the specific client computer from other client computers, and environment information (ENV(11)) that indicates a specific network environment that is obtained when a client computer (11) is
15 connected to a specific location of the network (100) are recorded in the portable information processing device; and

an access right setting step, wherein when a user connects a predetermined portable information processing device (P11), issued to him/herself, to a predetermined client computer (11) and performs a login
20 procedure on the predetermined client computer, the predetermined client computer (11) or the predetermined portable information processing device (P11) is made to compare an identification code (ID(11)) recorded in the predetermined client computer (11) with an identification code (ID(11)) recorded in the predetermined portable information processing device (P11),
25 compare a current network environment of the predetermined client computer (11) with a network environment indicated by environment information (ENV(11)) recorded in the predetermined portable information processing device (P11), and set a predetermined access right based on comparison results;

30 wherein in the access right setting step, if an identification code comparison result indicates matching, a first access right is set, if the identification code comparison result indicates mismatching but a network environment comparison result indicates matching, a second access right, with more restrictions than the first access right, is set, and if neither of the
35 comparison results indicate matching, a third access right, with even more restrictions than the second access right, is set.

16. An access right setting method for a computer system comprising: a network (100); a server computer (110, 120), connected to the network; and a plurality of client computers (11, 12, 21) connectable to the network; the method setting an access right when each individual user uses a client computer to access the server computers and comprising:

a preparation step, wherein a portable information processing device (P11), to be used by connecting to a client computer (11, 12, 21), is issued to each individual user, and an identification code (ID(11)), corresponding to a unique identification code that is recorded in a specific client computer (11) and enables distinction of the specific client computer from other client computers, and environment information (ENV(11)) that indicates a specific network environment that is obtained when a client computer (11) is connected to a specific location of the network (100) are recorded in the portable information processing device; and

an access right setting step, wherein when a user connects a predetermined portable information processing device (P11), issued to him/herself, to a predetermined client computer (11) and performs a login procedure on the predetermined client computer, the predetermined client computer (11) or the predetermined portable information processing device (P11) is made to compare an identification code (ID(11)) recorded in the predetermined client computer (11) with an identification code (ID(11)) recorded in the predetermined portable information processing device (P11), compare a current network environment of the predetermined client computer (11) with a network environment indicated by environment information (ENV(11)) recorded in the predetermined portable information processing device (P11), and set a predetermined access right based on comparison results;

wherein in the access right setting step, if both an identification code comparison result and a network environment comparison result indicate matching, a first access right is set, if the identification code comparison result indicates matching but the network environment comparison result indicates mismatching, a second access right, with more restrictions than the first access right, is set, and if neither of the comparison results indicate matching, a third access right, with even more restrictions than the second access right, is set.

17. A program for making a computer function as a client computer in the computer system according to any one of Claims 1 through 12 or a computer-readable recording medium recording the program.

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